Ward. 04

ALCON CTL TESTING PRIVATE LIMITED
CIN U74900KA2010PTC053574

Ref: ACTPL/RDM 161207/2016 Date: 05/10/2016

TEST REPORT

Name of Client : Sri. A. Chennareddy, Bengaluru.
Project* : Comprehensive Development of roads and drains in ward No. 04 in Yelahanka Upanagara Sub Division.
Customer's reference : RDM 161207
Description of Test : Physical Properties of Coarse Aggregate
Period of test : 29/9/2016 to 4/10/2016
Sample Received on : 29/9/2016
Condition of the Sample at the time of receiving : Dry
Samples Supplied to Lab by : Sri. A. Chennareddy, Bengaluru.

Description	40mm	20mm
Weight of Saturated Aggregate suspended in water with basket, W1 g =	2980	2993
Weight of basket suspended in water, W2 g =	1785	1770
Weight of Saturated Aggregate in water , Ws g = (W1-W2) =	1200	1220
Weight of Saturated surface dry Aggregate in air W3 g =	1978	1998
Weight of oven dried Aggregate W4 g =	1970	1990
Weight of water equal to the volume of aggregate, (W3-Ws) g =	770	770
Specific Gravity, (W4/(W3-Ws) =	**2.54**	**2.53**
Water Absorption, ((W3-W4)/W4) * 100 =	**0.42**	**0.40**

Sl No.	Description	Permissible Limits
1	Specific Gravity	2.5 to 3.0
2	Water Absorption	Max 2%

Remarks:
Satisfy the Limits ☑
Does not satisfy the limits
** As Furnished by the Customer*

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For ALCON CTL TESTING PVT. LTD.

Ashwini K, BE, M.Tech
Quality Manager

ALCON CTL TESTING PRIVATE LIMITED BANGALORE

Ground Floor, # 35, 4th Main, 4th Stage, Next to Trinity Motors, Indl. Town, Basaveshwar Nagar, Bangalore - 560 079 Karnataka, India
Phone : 91-80-23504236 Email : mail@alconctl.com
www.alconctl.com

ALCON CTL TESTING PRIVATE LIMITED
CIN U74900KA2010PTC053574

Ref: ACTPL/RDM 161207/2016

Date: 05/10/2016

TEST REPORT

Name of Client : Sri. A. Chennareddy, Bengaluru.
Project* : Comprehensive Development of roads and drains in ward No. 04 in Yelahanka Upanagara Sub Division.
Customer's reference : RDM 161207
Description of Test : Physical Properties of Dust
Period of test : 29/9/2016 to 4/10/2016
Sample Received on : 29/9/2016
Condition of the Sample at the time of receiving : Wet
Samples Supplied to Lab by : Sri. A. Chennareddy, Bengaluru.

Description	Dust
Weight of empty bottle with stopper, W1 g =	495.00
Weight of bottle + soil sample with stopper, W2 g =	996.5
Weight of bottle + sample + water with sample W3 g =	1498.00
Weight of bottle + water with stopper W4g =	1195.00
Specific Gravity = (W2-W1)/((W2-W1)- (W3-W4))	2.70

Sl No.	Description	Permissible Limits
1	Specific Gravity	2.5 to 3.0

Remarks:
Satisfy the Limits ☑
Does not satisfy the limits

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Ref: ACTPL/RDM 161207/2016 **Date: 05/10/2016**

TEST REPORT

Name of Client	: **Sri. A. Chennareddy, Bengaluru.**
Project*	: Comprehensive Development of roads and drains in ward No. 04 in Yelahanka Upanagara Sub Division.
Customer's reference	: RDM 161207
Description of Test	: Physical Properties of Cement
Period of test	: 29/9/2016 to 4/10/2016
Sample Received on	: 29/9/2016
Condition of the Sample at the time of receiving	: Dry
Samples Supplied to Lab by	: **Sri. A. Chennareddy, Bengaluru.**

Description	Cement
Weight of empty flask, W1 g =	100.00
Weight of empty flask + Cement, W2 g =	172.00
Weight of flask + Cement + Kerosene, W3 g =	220.0
Weight of flask + Kerosene W4g =	178.00
Specific Gravity = (W2-W1)/((W2-W1)- (W3-W4)) X 0.79	3.05

Sl No.	Description	Permissible Limits
1	Specific Gravity	3.15

Remarks:
Satisfy the Limits ☑
Does not satisfy the limits

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ALCON CTL TESTING PRIVATE LIMITED
CIN. : U74900KA2010PTC053574

Ref: ACTPL/RDM 161207/2016

Date: 05/10/2016

TEST REPORT

Name of Client	: Sri. A. Chennareddy, Bengaluru.
Project*	: Comprehensive Development of roads and drains in ward No. 04 in Yelahanka Upanagara Sub Division.
Customer's reference	: RDM 161207
Description of Test	: Physical Properties of Coarse Aggregate (40 mm Down)
Period of test	: 29/9/2016 to 4/10/2016
Sample Received on	: 29/9/2016
Condition of the Sample at the time of receiving	: Dry
Samples Supplied to Lab by	: Sri. A. Chennareddy, Bengaluru.

Sl No.	Details	TEST-1	TEST-2	TEST-3
1	Total weight of aggregates, W1 g	464.00	445.00	432.00
2	Weight of aggregate passing 2.36mm sieve, W2 g	74.01	68.32	62.12
3	Aggregate Impact Value %	15.95	15.35	14.37

Remarks:
Satisfy the Limits ☑
Does not satisfy the limits

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CIN. : U74900KA2010PTC053574

Ref: ACTPL/RDM 161207/2016

Date: 05/10/2016

TEST REPORT

Name of Client	: Sri. A. Chennareddy, Bengaluru.
Project*	: Comprehensive Development of roads and drains in ward No. 04 in Yelahanka Upanagara Sub Division.
Customer's reference	: RDM 161207
Description of Test	: Physical Properties of Coarse Aggregate (20 mm Down)
Period of test	: 29/9/2016 to 4/10/2016
Sample Received on	: 29/9/2016
Condition of the Sample at the time of receiving	: Dry
Samples Supplied to Lab by	: Sri. A. Chennareddy, Bengaluru.

Sl No.	Details	TEST-1	TEST-2	TEST-3
1	Total weight of aggregates, W1 g	398.00	427.00	412.00
2	Weight of aggregate passang 2.36mm sieve, W2 g	55.36	65.00	56.63
3	Aggregate Impact Value %	14.00	15.22	13.80

Remarks:
Satisfy the Limits ☑
Does not satisfy the limits

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Ref: ACTPL/RDM 161207/2016

Date: 05/10/2016

TEST REPORT

Name of Client : Sri. A. Chennareddy, Bengaluru.
Project* : Comprehensive Development of roads and drains in ward No. 04 in Yelahanka Upanagara Sub Division.
Customer's reference : RDM 161207
Description of Test : Physical Properties of Coarse Aggregate
Period of test : 29/9/2016 to 4/10/2016
Sample Received on : 29/9/2016
Condition of the Sample at the time of receiving : Dry
Samples Supplied to Lab by : Sri. A. Chennareddy, Bengaluru.

Sl No.	Details	20 mm Down		
		TEST-1	TEST-2	TEST-3
1	Total weight of aggregates, W1 g	2713.00	2874.00	2865.00
2	Weight of aggregate passing 2.36mm sieve, W2 g	1100.50	1203.5	1189.0
3	Aggregate Crushing Value %	40.54	41.87	41.45

Remarks:
Satisfy the Limits ☑
Does not satisfy the limits

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Date: 05/10/2016

TEST REPORT

Name of Client : Sri. A. Chennareddy, Bengaluru
Project* : Comprehensive Development of roads and drains in ward No. 04 in Yelahanka Upanagara Sub Division.
Customer's reference : RDM 161207
Description of Test : Physical Properties of Coarse Aggregate (40mm Down)
Period of test : 29/9/2016 to 4/10/2016
Sample Received on : 29/9/2016
Condition of the Sample at the time of receiving : Dry
Samples Supplied to Lab by : Sri. A. Chennareddy, Bengaluru

Size of Aggregates			Flakiness Index		Elongation Index	
Passing through IS Sieve (mm)	Retained on Is Sieve (mm)	Weight of aggregates retained on each sieve (gm)	Thickness Gauge, size (mm)	Weight of aggregates in each fraction passing through thickness gauge (mm)	Length Gauge, size (mm)	Weight of aggregates in each fraction retained on gauge (mm)
63	50	--	33.90	0.00	--	--
50	40	--	27.00	0.00	81.00	--
40	31.5	--	21.50	0.00	64.40	--
31.5	25	2500.0	16.95	450	--	--
25	20	2421.0	13.50	333	40.50	185.0
20	16	1800.0	10.80	432	32.40	93.0
16	12.5	1207.0	8.55	298	25.60	18.0
12.5	10	801.0	6.75	112	20.20	10
10	6.3	201.0	4.89	40	14.70	--
		W1 = 8930.00	A=1665.0.00	B=306.00		

Flakiness Index = 18.64%

Elongation Index=3.42%

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CIN U74900KA2010PTC053574

Ref: ACTPL/RDM 161207/2016

Date: 05/10/2016

TEST REPORT

Name of Client : Sri. A. Chennareddy, Bengaluru
Project* : Comprehensive Development of roads and drains in ward No. 04 in Yelahanka Upanagara Sub Division.
Customer's reference : RDM 161207
Description of Test : Physical Properties of Coarse Aggregate (20mm Down)
Period of test : 29/9/2016 to 4/10/2016
Sample Received on : 29/9/2016
Condition of the Sample at the time of receiving : Dry
Samples Supplied to Lab by : Sri. A. Chennareddy, Bengaluru

Size of Aggregates			Flakiness Index		Elongation Index	
Passing through IS Sieve (mm)	Retained on Is Sieve (mm)	Weight of aggregates retained on each sieve (gm)	Thickness Gauge, size (mm)	Weight of aggregates in each fraction passing through thickness gauge (mm)	Length Gauge, size (mm)	Weight of aggregates in each fraction retained on gauge (mm)
63	50	--	33.90	0.00	--	--
50	40	--	27.00	0.00	81.00	--
40	31.5	--	21.50	0.00	64.40	--
31.5	25	--	16.95	0.00	--	--
25	20	--	13.50	0.00	40.50	--
20	16	1350.0	10.80	298.00	32.40	125.00
16	12.5	950.0	8.55	200.00	25.60	45.00
12.5	10	600.0	6.75	125.00	20.20	--
10	6.3	298.0	4.89	60.00	14.70	--
		W1 = 3198.00	A=683.00	B=170.00		

Flakiness Index = 21.35%

Elongation Index=531%

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Ref: ACTPL/RDM 161207/2016 **Date: 05/10/2016**

TEST REPORT

Name of Client	: **Sri. A. Chennareddy, Bengaluru**
Project*	: Comprehensive Development of roads and drains in ward No. 04 in Yelahanka Upanagara Sub Division
Customer's reference	: RDM 161207
Description of Test	: Physical Properties of Cement
Period of test	: 29/9/2016 to 4/10/2016
Sample Received on	: 29/9/2016
Condition of the Sample at the time of receiving	: Dry
Samples Supplied to Lab by	: **Sri. A. Chennareddy, Bengaluru**

Test on Cement:

Sl No.	Test to be Conducted	Results	IS : 8112-1980 Stipulation
1	Normal Consistency	30 %	Not Specified
2	Initial Setting Time	160 mins	Shall not be less than 30 minutes
3	Final Setting Time	230 mins	Shall not be more than 600 minutes

☑ *Satisfactory*
☐ *Non Satisfactory*

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ALCON CTL TESTING PRIVATE LIMITED

Ref: ACTPL/RDM 161207/2016

Date: 05/10/2016

TEST REPORT

Name of Client : **Sri. A. Chennareddy, Bengaluru**
Project* : Comprehensive Development of roads and drains in ward No. 04 in Yelahanka Upanagara Sub Division.
Customer's reference : RDM 161207
Description of Test : VG 30 Grade Bitumen
Period of test : 29/9/2016 to 4/10/2016
Sample Received on : 29/9/2016
Condition of the Sample at the time of receiving : ---
Samples Supplied to Lab by : **Sri. A. Chennareddy, Bengaluru**

TABLE NO - 1

Sl No	Details	Method	Test Results	Requirements as per IS 73-2013 Specifications
1	Specific Gravity	IS 1202	0.99	0.97 min
2	Penetration at 25 °C, 100G, 5 Sec, Min	IS 1203	64	45 min
3	Ductility value at 25 °C, Min	IS 1208	74	40 cm
4	Flash point (Cleveland open cup), °C, Min	IS 1448	223	220 min
5	Softening point (R & B), °C	IS 1205	57	47 min
6	Absolute Viscosity at 60 °C, Poises, min.	IS 1206 (Part II)	2572	2400 min
7	Kinematic Viscosity at 135°C, cst, min	IS 1206 (Part III)	363	350 min

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ALCON CTL TESTING PRIVATE LIMITED
CIN : U74900KA2010PTC053574

Ref: ACTPL/RDM 161207/2016

Date: 17/11/2016

TEST REPORT

Name of Client : Sri. A. Chennareddy, Bengaluru.
Project* : Comprehensive Development of roads and drains in ward No. 04 in Yelahanka Upanagara Sub Division.
Customer's reference : RDM – 161207
Grade of Concrete : M-20 Grade
Description of Test : Compressive strength of cubes.
Samples Supplied to Lab by : Sri. A. Chennareddy, Bengaluru.

SL. No	Location	Laboratory Identification mark	Date of Casting	Date of Testing	Age of Specimen	Dimension of Specimen in mm (L x B x D) in mm	Area of Specimen in mm^2	Crushing Load (KN)	Compression Strength (N/mm^2)	Avg. Compressive Strength (N/mm^2)
1	Drains	161206/1	10/10/2016	18/10/2016	7 Days	(150X150X148)	22500	301	13.38	13.91
2	Drains	161206/2	20/10/2016	28/10/2016	7 Days	(150X150X149)	22500	325	14.44	
3	Drains	161206/2	15/10/2016	14/11/2016	28 Days	(150X150X149)	22500	485	21.56	22.40
4	Drains	161206/4	20/10/2016	17/11/2016	28 Days	(150X150X148)	22500	523	23.24	

☑ *Satisfactory*
☐ *Non Satisfactory*

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Alcon CTL Testing Pvt. Ltd.
Bitumen Extraction Test
IRC: SP 11-1988 (Apppendix-5) ASTM D2172

Project: **BBMP Yelahanka PACKAGE 2**

Client: A Chenna reddy Location: ward.04

Technician: Karthik.B

Date: 4/10/16

Type of Sample: B.C

Sl No.	Description	Trial 01	Trial 02	Trial 03
1	Weight of sample Taken –W1	1000	1000	1000
2	Weight Retained after Extraction- W2	942	940	941
3	Weight of Bitumen-W = (W1-W2)=	58	60	59
4	% of bitumen= (W/W1)*100=	5.8	6.0	5.9
	Average % of Bitumen in Samples =	5.9		

Percentage Range of Bitumen in BC: 6%

Remarks:
Satisfy the Limits ☑
Does not satisfy the limits

For **ALCON CTL TESTING PVT. LTD.**

Ashwini K, BE, M.Tech
Quality Manager

ALCON CTL TESTING PRIVATE LIMITED BANGALORE

Alcon CTL Testing Pvt. Ltd.

Bitumen Extraction Test

IRC: SP 11-1988 (Apppendix-5) ASTM D2172

Project: **BBMP Yelahanka PACKAGE 2**

Client: A chenna Reddy Location: Ward. 04

Technician: Shridhara S.M

Date: 4/10/16

Type of Sample: BC

Sl No.	Description	Trial 01	Trial 02	Trial 03
1	Weight of sample Taken –W1	1000	1000	1000
2	Weight Retained after Extraction- W2	942	941	940
3	Weight of Bitumen-W = (W1-W2)=	58	59	60
4	% of bitumen= (W/W1)*100=	5.8	5.9	6.0
	Average % of Bitumen in Samples =	5.9		

Percentage Range of Bitumen in BC: 6%

Remarks:

Satisfy the Limits ☑

Does not satisfy the limits

For **ALCON CTL TESTING PVT. LTD.**

Ashwini K, BE, M.Tech
Quality Manager

ALCON CTL TESTING PRIVATE LIMITED BANGALORE

Alcon CTL Testing Pvt. Ltd.

Bitumen Extraction Test

IRC: SP 11-1988 (Apppendix-5) ASTM D2172

Project: **BBMP Yelahanka PACKAGE 2**

Client: A Chenna Reddy Location: ward-04

Technician: Shridhar SM

Date: 4/10/16

Type of Sample: BC

Sl No.	Description	Trial 01	Trial 02	Trial 03
1	Weight of sample Taken –W1	1000	1000	1000
2	Weight Retained after Extraction- W2	942	940	938
3	Weight of Bitumen-W = (W1-W2)=	58	60	62
4	% of bitumen= (W/W1)*100=	5.8	6.0	6.2
	Average % of Bitumen in Samples =	6.0		

Percentage Range of Bitumen in BC: 6%

Remarks:

Satisfy the Limits ☑

Does not satisfy the limits

For **ALCON CTL TESTING PVT. LTD.**

Ashwini K, BE, M.Tech

Quality Manager

ALCON CTL TESTING PRIVATE LIMITED BANGALORE

Alcon CTL Testing Pvt. Ltd.
Bitumen Extraction Test
IRC: SP 11-1988 (Apppendix-5) ASTM D2172

Project: **BBMP Yelahanka PACKAGE 2**

Client: A Channa Reddy Location: Road-04

Technician: Kavitha B

Date: 5/10/16

Type of Sample: BC

Sl No.	Description	Trial 01	Trial 02	Trial 03
1	Weight of sample Taken –W1	1000	1000	1000
2	Weight Retained after Extraction- W2	940	942	939
3	Weight of Bitumen-W = (W1-W2)=	60	58	61
4	% of bitumen= (W/W1)*100=	6.0	5.8	6.1
	Average % of Bitumen in Samples =	5.9		

Percentage Range of Bitumen in BC: 6%

Remarks:
Satisfy the Limits ☑
Does not satisfy the limits

For **ALCON CTL TESTING PVT. LTD.**

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Quality Manager

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Alcon CTL Testing Pvt. Ltd.
Bitumen Extraction Test
IRC: SP 11-1988 (Apppendix-5) ASTM D2172

Project: **BBMP Yelahanka PACKAGE 2**

Client: BBMP A Chenna Reddy Location: Ward-04

Technician: Shidhar SM

Date: 5/10/16

Type of Sample: BC

Sl No.	Description	Trial 01	Trial 02	Trial 03
1	Weight of sample Taken –W1	1000	1000	1000
2	Weight Retained after Extraction- W2	940	942	941
3	Weight of Bitumen-W = (W1-W2)=	60	58	59
4	% of bitumen= (W/W1)*100=	6.0	5.8	5.9
	Average % of Bitumen in Samples =	5.9		

Percentage Range of Bitumen in BC: 6%

Remarks:
Satisfy the Limits ☑
Does not satisfy the limits

For **ALCON CTL TESTING PVT. LTD.**

Ashwini K, BE, M.Tech
Quality Manager

ALCON CTL TESTING PRIVATE LIMITED BANGALORE

Alcon CTL Testing Pvt. Ltd.
Bitumen Extraction Test
IRC: SP 11-1988 (Apppendix-5) ASTM D2172

Project: **BBMP Yelahanka PACKAGE 2**

Client: A Channa Reddy Location: ward-04

Technician: Karthik. B

Date: BC

Type of Sample: 6/10/16

Sl No.	Description	Trial 01	Trial 02	Trial 03
1	Weight of sample Taken –W1	1000	1000	1000
2	Weight Retained after Extraction- W2	940	941	941
3	Weight of Bitumen-W = (W1-W2)=	60	59	59
4	% of bitumen= (W/W1)*100=	6.0	5.9	5.9
	Average % of Bitumen in Samples =	5.9		

Percentage Range of Bitumen in BC: 6%

Remarks:
Satisfy the Limits ☑
Does not satisfy the limits

For **ALCON CTL TESTING PVT. LTD.**

Ashwini K, BE, M.Tech
Quality Manager

ALCON CTL TESTING PRIVATE LIMITED BANGALORE

Alcon CTL Testing Pvt. Ltd.

Bitumen Extraction Test

IRC: SP 11-1988 (Apppendix-5) ASTM D2172

Project: **BBMP Yelahanka PACKAGE 2**

Client: BBMP Location: Work-04

Technician: Karthik. B

Date: 6/10/16

Type of Sample: BC

Sl No.	Description	Trial 01	Trial 02	Trial 03
1	Weight of sample Taken –W1	1000	1000	1000
2	Weight Retained after Extraction- W2	940	941	940
3	Weight of Bitumen-W = (W1-W2)=	60	59	60
4	% of bitumen= (W/W1)*100=	6.0	5.9	6.0
	Average % of Bitumen in Samples =	5.96		

Percentage Range of Bitumen in BC: 6%

Remarks:

Satisfy the Limits ☑

Does not satisfy the limits

For **ALCON CTL TESTING PVT. LTD.**

Ashwini K, BE, M.Tech
Quality Manager

ALCON CTL TESTING PRIVATE LIMITED BANGALORE

Alcon CTL Testing Pvt. Ltd.
Bitumen Extraction Test
IRC: SP 11-1988 (Apppendix-5) ASTM D2172

Project: **BBMP Yelahanka PACKAGE 2**

Client: A Chenna Reddy Location: ward-04

Technician: Karthik. B

Date: 7/10/16

Type of Sample: BC

Sl No.	Description	Trial 01	Trial 02	Trial 03
1	Weight of sample Taken –W1	1000	1000	1000
2	Weight Retained after Extraction- W2	941	940	939
3	Weight of Bitumen-W = (W1-W2)=	59	60	61
4	% of bitumen= (W/W1)*100=	5.9	6.0	6.1
	Average % of Bitumen in Samples =	6.0		

Percentage Range of Bitumen in BC: 6%

Remarks:
Satisfy the Limits ☑
Does not satisfy the limits

For **ALCON CTL TESTING PVT. LTD.**

Ashwini K, BE, M.Tech
Quality Manager

ALCON CTL TESTING PRIVATE LIMITED BANGALORE

Alcon CTL Testing Pvt. Ltd.
Bitumen Extraction Test
IRC: SP 11-1988 (Appendix-5) ASTM D2172

Project: **BBMP Yelahanka PACKAGE 2**

Client: A channa Reddy Location: ward-04

Technician: Karthik-B

Date: 28/10/16

Type of Sample: BC

Sl No.	Description	Trial 01	Trial 02	Trial 03
1	Weight of sample Taken –W1	1000	1000	1000
2	Weight Retained after Extraction- W2	942	941	940
3	Weight of Bitumen-W = (W1-W2)=	58	59	60
4	% of bitumen= (W/W1)*100=	5.8	5.9	6.0
	Average % of Bitumen in Samples =			

Percentage Range of Bitumen in BC: 6%

Remarks:
Satisfy the Limits ☑
Does not satisfy the limits

For **ALCON CTL TESTING PVT. LTD.**

Ashwini K, BE, M.Tech
Quality Manager

ALCON CTL TESTING PRIVATE LIMITED BANGALORE

Alcon CTL Testing Pvt. Ltd.
Bitumen Extraction Test
IRC: SP 11-1988 (Apppendix-5) ASTM D2172

Project: **BBMP Yelahanka PACKAGE 2**

Client: A Chenna Reddy. Location: ward-04

Technician: Shridhar SM.

Date: 6/10/16

Type of Sample: BC

Sl No.	Description	Trial 01	Trial 02	Trial 03
1	Weight of sample Taken –W1	1000	1000	1000
2	Weight Retained after Extraction- W2	941	939	940
3	Weight of Bitumen-W = (W1-W2)=	59	61	60
4	% of bitumen= (W/W1)*100=	5.9	6.1	6.0
	Average % of Bitumen in Samples =	6.0		

Percentage Range of Bitumen in BC: 6%

Remarks:
Satisfy the Limits ☑
Does not satisfy the limits

For **ALCON CTL TESTING PVT. LTD.**

Ashwini K, BE, M.Tech
Quality Manager

ALCON CTL TESTING PRIVATE LIMITED BANGALORE

Alcon CTL Testing Pvt. Ltd.
Bitumen Extraction Test
IRC: SP 11-1988 (Apppendix-5) ASTM D2172

Project: **BBMP Yelahanka PACKAGE 2**

Client: A Chena Reddy Location: ward. 04

Technician: Kavthik. B

Date: 9/10/16

Type of Sample: BC

Sl No.	Description	Trial 01	Trial 02	Trial 03
1	Weight of sample Taken –W1	1000	1000	1000
2	Weight Retained after Extraction- W2	941	942	938
3	Weight of Bitumen-W = (W1-W2)=	59	58	62
4	% of bitumen= (W/W1)*100=	5.9	5.8	6.2
	Average % of Bitumen in Samples =	5.96		

Percentage Range of Bitumen in BC: 6%

Remarks:
Satisfy the Limits ☑
Does not satisfy the limits

For **ALCON CTL TESTING PVT. LTD.**

Ashwini K, BE, M.Tech
Quality Manager

ALCON CTL TESTING PVT. LTD. BANGALORE

Alcon CTL Testing Pvt. Ltd.
Bitumen Extraction Test
IRC: SP 11-1988 (Apppendix-5) ASTM D2172

Project: **BBMP Yelahanka PACKAGE 2**

Client: A. Chenna Reddy Location: ward 4

Technician: Karthik.B

Date: 28/10/16

Type of Sample: BC

Sl No.	Description	Trial 01	Trial 02	Trial 03
1	Weight of sample Taken –W1	1000	1000	1000
2	Weight Retained after Extraction- W2	942	940	939
3	Weight of Bitumen-W = (W1-W2)=	58	60	61
4	% of bitumen= (W/W1)*100=	5.8	6.0	6.1
	Average % of Bitumen in Samples =	5.96		

Percentage Range of Bitumen in BC: 6%

Remarks:
Satisfy the Limits ☑
Does not satisfy the limits

For **ALCON CTL TESTING PVT. LTD.**

Ashwin K, BE, M.Tech
Quality Manager

ALCON CTL TESTING PRIVATE LIMITED BANGALORE